

## METHODS FOR PURIFICATION OF AN ACTIVATED PEG SOLUTION AND FOR THE SYNTHESIS OF A MODIFIED HEMOGLOBIN SOLUTION

## ABSTRACT OF THE DISCLOSURE

5 The present invention employs a dissolved activated polyethylene glycol (aPEG) or related molecule that has been passed through a filtration means for the substantial reduction of bioburden or endotoxin levels in the aPEG solution. The resulting filtered aPEG solution can be used for the preparation of a PEGylated hemoglobin solution containing substantially reduced levels of bioburden or endotoxin.